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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/025,256	12/19/2001	Bret S. Weber	01-674	5721	
24319 LSI LOGIC CO	7590 05/15/2007 DRPORATION		EXAMINER		
1621 BARBER LANE			SORRELL	SORRELL, ERON J	
MS: D-106 MILPITAS, CA	A 95035		ART UNIT	PAPER NUMBER	
ŕ			2182		
			MAIL DATE	DELIVERY MODE	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/025,256	WEBER ET AL.
Office Action Summary	Examiner	Art Unit
	Eron J. Sorrell	2182
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the o	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period versilized to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tinuity will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 17 N 2a) This action is FINAL . 2b) This 3) Since this application is in condition for alloward closed in accordance with the practice under E	action is non-final. nce except for formal matters, pr	
Disposition of Claims		
4) ☐ Claim(s) 1-26 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-26 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on 19 December 2001 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11) ☐ The oath or declaration is objected to by the Examine 11.	wn from consideration. or election requirement. er. are: a)⊠ accepted or b)□ object drawing(s) be held in abeyance. Set tion is required if the drawing(s) is ol	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)).	tion No ved in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:	

Application/Control Number: 10/025,256 Page 2

Art Unit: 2182

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/17/06 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Hanan (U.S. Patent No. 6,898,730).

Page 3

Application/Control Number: 10/025,256

Art Unit: 2182

Referring to apparatus claims 1,2,10,17,18 and 23, Hanan teaches an apparatus for dual porting a serial advanced technology attachment disk drive (see item 100 in figure 1A)) for utilization in fibre channel based communication (see lines 10-17 of column 3), comprising:

a first idle regenerator (item 110 in figure 1A)) connected to a first serial master device (item 106 in figure 1A), the first idle regenerator being configured to receiving and transmitting signals to the first serial master device via a first input/output (I/O) connection, the signals including an idle character stream (see lines 28-53 of column 4, note the "heartbeat packet" is being construed as the "idle character stream";

a second idle regenerator (item 112 in figure 1A) connected to a second serial master device (item 108 in figure 1A), the second idle regenerator being configured to receiving and transmitting signals to the second serial master device via a second input/output (I/O) connection, the signal including an idle character stream (see lines 28-53 of column 4);

a third idle regenerator (see item 116 in figure 1A) connected to the serial disk drive and the first and second idle regenerators, wherein the third idle regenerator is configured to communicating with the serial disk drive and the first and

Application/Control Number: 10/025,256

Art Unit: 2182

second idle regenerators (see paragraph bridging columns 3 and 4);

a synchronization logic (see item 114 in figure 1A) configured to synchronizing data transfers between one of the first idle regenerator and the second idle regenerator, and the third idle generator, wherein the synchronization logic is connected to the first, the second and the third idle regenerators (see lines 48-64 of column 3); and an auto detector connected to the first and the second idle regenerators (28-41 of column 4), wherein the auto detector is configured to controlling data transfers to the first and the second idle regenerators based on the presence of idle characters from the first and the second serial master devices (see lines 28-54 of column 4).

- 4. Referring to apparatus claims 3,4,12,19 and 24, Hanan teaches the auto detector is configured to switching between the first and the second serial masters and enables communication with a single serial master at a time. (see lines 28-54 of column 4).
- 5. Referring to claims 5,11,20 Hanan teaches the dual porting apparatus is suitable for utilization with a serial advanced

Application/Control Number: 10/025,256 Page 5

Art Unit: 2182

technology attachment disk drive (see lines 30-47 of column 3).

- 6. Referring to claims 6,13, and 21, Hanan the dual porting apparatus is suitable for utilization with fibre channel based communication (see lines 2-17 of column 3).
- 7. Referring to claims 7 and 14, Hanan teaches the synchronization logic is configured to providing synchronization for idle character switching (see lines 48-64 of column 3).
- 8. Referring to claims 8,15,22 and 25, Hanan teaches the dual porting apparatus is embodied in an application specific integrated circuit (see lines 22-38 of column 5).
- 9. Referring to claims 9,16, and 26, Hanan the dual porting apparatus is integrated with the serial disk drive (see lines 22-38 of column 5).

Response to Arguments

- 10. Applicant's arguments filed 11/17/06 have been fully considered but they are not persuasive. The applicant argues:
- 1) The prior art fails to teach the newly amended limitation of the first and second idle regenerators receiving

Application/Control Number: 10/025,256

Art Unit: 2182

and transmitting signals to first and second serial master devices via respective first and second I/O connections (see first full paragraph of page 10 of applicant's remarks.

As per argument 1, the Examiner disagrees. Hanan clearly teaches the above limitation (emphasis added). Figure 1A shows first and second idle regenerators (items 110 and 112) coupled to the first and second serial master devices (106 and 108) via separate busses (not labeled). These busses are the I/O connections.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eron J. Sorrell whose telephone number is 571 272-4160. The examiner can normally be reached on Monday-Friday 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on 571-272-4147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Page 7

Application/Control Number: 10/025,256

Art Unit: 2182

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EJS May 11, 2007

KIM HUYNH
SUPERVISORY PATENT EXAMINER

5/11/07